

SECRETNPIC/TSSG/DED-1564-69
7 April 1969

MEMORANDUM FOR THE RECORD

SUBJECT: Visit to Westover, SPPF, Mass., 27-28 March 1969

2. This meeting was called for the purpose of presenting SPPF technical requirements for duplication processing and to review the facilities for the installation of the High Speed Dry Silver Processors.

3. [] reviewed the tri-gamma processing technique now being used by SPPF. He stated that the operators empirically select the D max and D min areas for determining the density difference and hence gamma of processing desired for optimum duplicate positive reproduction. SPPF's general range of gamma is 1.0-1.6 and all requirements fall between 0.85-1.70. The average gamma processed during the last SPPF ORI was 1.26.

4. The Westover SPPF tri-gamma processing can be grouped as follows:

	Process Gamma	ΔD (Diff. in ga.)	Est. % Use
LOW	0.85 (SO 347)	1.06 → ∞	20%
MED	1.08 (2430)	0.70 → 1.05	50%
HIGH	1.56 (2430)	0.00 → 0.69	30%

These figures were obtained from laboratory personnel. However, R&D personnel stated that they felt that the low gamma requirements were probably more nearly 5% or less, particularly since SO 347 is extremely difficult to use and has mottle problems. The point should also be made that with normal wet silver reproduction material, a special film is required for low gamma processing. Thus, a special formulation for low gamma dry silver material would not be out of line.

5. [] stated that he was concerned about the low gamma processing problems of the High Speed Dry Silver processors at the [] and wanted to be present at the next meeting. The next meeting should be held during the 2nd or 3rd week in April. It is hoped that Col. [] will also be present.

TSSG/DED/R&DB-II

Declass Review by NIMA/DOD

SECRET

GROUP 1
Excluded from automatic
downgrading and
declassification